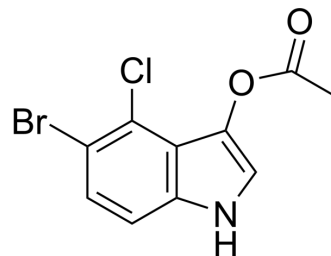


BCDA

Cat. No.:	HY-52112
CAS No.:	3252-36-6
Molecular Formula:	C ₁₀ H ₇ BrClNO ₂
Molecular Weight:	288.53
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : ≥ 100 mg/mL (346.58 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.4658 mL	17.3292 mL	34.6584 mL
	5 mM	0.6932 mL	3.4658 mL	6.9317 mL
	10 mM	0.3466 mL	1.7329 mL	3.4658 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.66 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.66 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.66 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BCDA (5-bromo-4-chloroindoxyl acetate) is a chromogenic substrate of esterase used to potently detect the activity of esterase^[1].

REFERENCES

- [1]. S J HOLT, et al. Studies in enzyme cytochemistry. V. An appraisal of indigogenic reactions for esterase localization. Proc R Soc Lond B Biol Sci. 1958 Apr 8;148(933):520-

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA